

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) IN DRINKING WATER

Washington State Department of Health
Office of Drinking Water

PFAS in the News

Environment

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Whidbey Island drinking-water wells polluted with firefighting chemicals near Navy airstrips

Originally published March 3, 2017 at 6:00 am | Updated March 2, 2017 at 6:00 pm

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Neighbors of Fairchild Air Force Base sue makers of toxic fire retardant, including 3M Co.

Updated: Wed, April 11, 2018

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Washington state to test drinking water for PFAS contamination linked to firefighting foam

Originally published May 21, 2018 at 6:00 am | Updated May 21, 2018 at 5:05 pm

FAIRCHILD AIR FORCE BASE

Fairchild partners with Airway Heights to provide water to residents affected by water advisory

32nd Air Refueling Wing Public Affairs | Published May 16, 2017

THE NEWS TRIBUNE

3 JBLM wells shut after unacceptable levels of chemicals found in the water

By Adam Lynn

MARCH 02, 2017 04:00 PM

Potential Sources of PFAS in Drinking Water

- Aqueous film-forming foams (AFFF): (military sites, fire training centers, AFFF spill sites, civilian airports)
- Manufacturing plants, industrial use sites, waste water treatment plants, land fills.

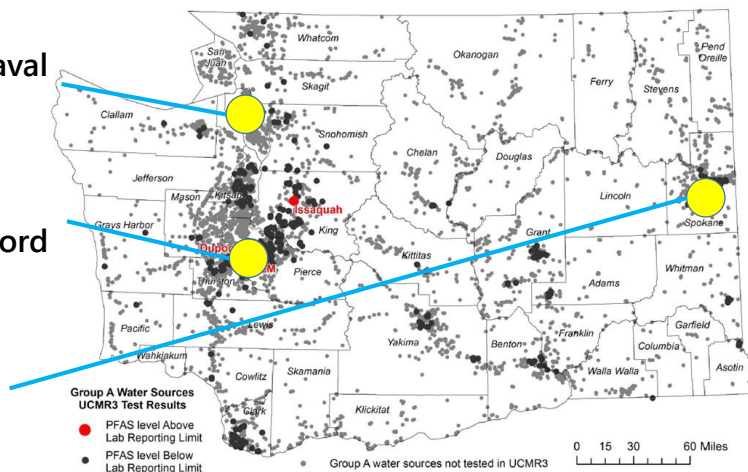


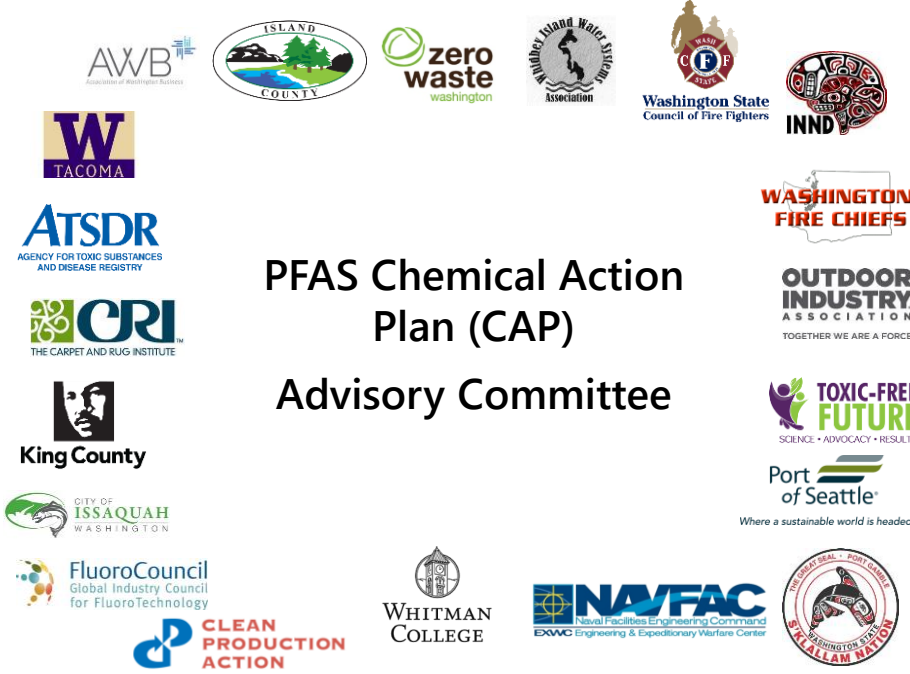
Military Conducting Voluntary PFAS Testing Nationwide Near Fire Training Areas (2016—Present)

Whidbey Naval
Air Station

Joint Base
Lewis McChord

Fairchild Air
Force Base







PFAS Chemical Action Plan (CAP) Advisory Committee

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Statewide Chemical Action Plan for PFAS

Draft Recommendations

- 
Ensure safe drinking water
- 
Manage environmental contamination
- 
Reduce PFAS in products
- 
Understand and manage PFAS in waste

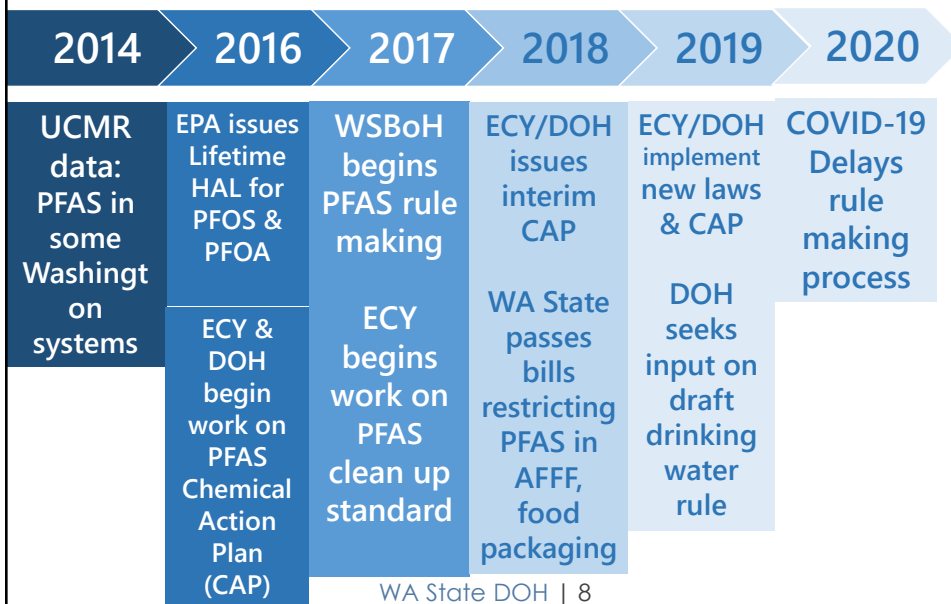
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Statewide Chemical Action Plan for PFAS Schedule update

1. On Schedule 60-day comment period September 2020
2. Final recommendations at high level remain same.
3. Final CAP Early 2021
4. DOH will review final recommendations prior to comment period

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Washington State Action



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State Board of Health: Rulemaking

1. Petition to set state PFAS drinking water standards
2. SBOH accepted petition Oct 2017
3. Considerations
 - ✓ SAL vs. MCL
 - ✓ Which PFAS to include?
 - ✓ Action levels?
 - ✓ Addressing PFAS mixtures
 - ✓ Update the Lab Rule



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SALs are Health Protective Levels

A level in water expected to be without appreciable health effects over a lifetime of exposure, this includes sensitive groups.



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Draft SALs for PFAS in Drinking Water

Contaminant	SAL (parts per trillion)
PFOA	10
PFOS	15
PFNA	14
PFHxS	70
PFBS	1,300

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Types of comments received

- DOH should develop an MCL not an SAL
- Treatment is expensive and funding should be addressed.
- Technical comments on specific monitoring descriptions, definitions, references
- Comments highlighting need for Lab Rule
- 3M comments (200 or so pages)

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MCL Considerations

- Concerns that an MCL is needed for funding
- Want the certainty of an MCL
- SBOH considerations for starting with SAL
- Want the process of MCL development in rule

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Funding Treatment for PFAS

- PFAS contamination is an eligible condition for SRF funding
- Ecology continues to work on both grant funding and is prepared to move forward with cleanup standards once SAL is in rule.
- This imposes both state and federal requirements for responsible parties to address contamination.

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Lab Rule Update

- Coordinating for both rules at once
- Addresses approved methods
- Establishes test panel
- Does not preclude systems from sampling for more analytes

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State Board of Health: Rulemaking-Past

Activity	Anticipated Completion Date	Date Completed
SBOH Decision To Consider Rulemaking	October 2017	October 2017
File CR-101 WSR 18-01-080	December 2017	December 15, 2017
Update SBOH	June 2018	June 2018
Update SBOH	August 2018	August 2018
Draft Rule Language	September 2018 To June 2019	June 2019
Finalize Draft Rule Language and Begin Drafting Significant Analysis	September 2019	October 2019
Update SBOH	November 2019	
Stakeholder Comment Period—Workshops In Spokane, Mount Vernon, and Tacoma	December 2019	
Finalize Draft Rule Language and Finalize Significant Analysis	February 2020	
Update SBOH—Briefing	April 2020	
File CR-102 Proposed Rulemaking	May 2020	
Public Hearing	June 10, 2020	
Prepare Concise Explanatory Statement	July 2020	
File CR-103 Rulemaking Order	July 2020	
Rule Effective	August 2020	

For detailed information about the process, contact Theresa Phillips at 360-236-3147 or

theresa.phillips@doh.wa.gov.

doh.wa.gov/Portals/1/Documents/4200/PFAS-Timeline.pdf

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Next Steps

- Complete Draft Rule changes addressing comments
- Updating SBOH on recommendations
- Outreach on Draft Lab Rule
- Coordination with Ecology on cleanup standards
- Ecology grants

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